Red Hat Update Infrastructure 4

Migrating Red Hat Update Infrastructure

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Abstract

This document lists the requirements and provides detailed instructions to help cloud providers migrate to Red Hat Update Infrastructure 4 (RHUI 4).
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MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see our CTO Chris Wright’s message.
CHAPTER 1. MIGRATING RED HAT UPDATE INFRASTRUCTURE

After you have installed Red Hat Update Infrastructure (RHUI) 4, it is possible to migrate your existing repositories from RHUI 3 to RHUI 4.

Migration enables RHUI 3 repositories on your RHUI 4 machine. However, it does not migrate the RPM contents or the RPM data. You must re-synchronize these repositories automatically or manually after the migration is complete.

1.1. OVERVIEW OF RED HAT UPDATE INFRASTRUCTURE MIGRATION

Migration uses the `rhui-manager` utility, available in your Red Hat Update Infrastructure (RHUI) 4 installation, to transfer your repositories from RHUI 3 to RHUI 4. You must install RHUI 4 before migrating your repositories.

The `rhui-manager` utility uses the sub-command `migration` and the following mandatory arguments:

1. `--hostname` - The hostname of the remote RHUI 3 RHUA node
2. `--password` - The rhui-manager password of the remote RHUI 3 RHUA node

**NOTE**

You must add the public part of an SSH key pair for the current user on the RHUI 4 machine to the `.ssh/authorized_keys` file on the RHUI 3 machine.

Although a default path is provided, it is likely that the path to your keyfile may not match the provided default. You may have to add the following argument to your migration command:

- `--keyfile_path` - The path to the SSH private key on the RHUI 4 machine. The default path is `/root/.ssh/id_rsa_rhua`.

1.2. MIGRATING REPOSITORIES FROM RHUI 3 TO RHUI 4

The following procedure explains how to migrate your RHUI 3 repositories to RHUI 4.

**Prerequisites**

- Ensure that RHUI 4 is installed on your destination machine. For more information, see Installing Red Hat Update Infrastructure.
- Ensure that you have the necessary credentials to access your RHUI 3 machine.
- Ensure that a RHUI entitlement certificate is available on your RHUI 4 machine. In case it is not, run the following command to add the certificate:

  ```
  # rhui-subscription-sync
  ```
• **Optional:** Ensure that you have cached the repository information to speed up the migration. You can do so using the following command:

```
# rhui-manager repo unused
```

**Procedure**

1. On your RHUI 4 machine, use the `rhui-manager` utility to begin the migration:

```
# rhui-manager migrate --hostname my-rhui3-rhua.example.com --password <your_password> --keyfile_path ~/.ssh/id_rsa_rhua
```

2. If the migration fails with an error similar to the following, a conflict has occurred between the repositories that you are trying to migrate and those that already exist on your RHUI 4 machine.

```
ERROR: Configured repos detected. Use --force to ignore. Exiting
```

To fix this, use the `--force` argument to run the migration.

**NOTE**

Using the `--force` argument deletes and recreates any repositories whose IDs match the RHUI 3 repository IDs.

```
# rhui-manager migrate --hostname my-rhui3-rhua.example.com --password <your_password> --keyfile_path ~/.ssh/id_rsa_rhua --force
```

3. **Optional:** If custom repositories were migrated, you need to manually upload the RPM content to them.

   For detailed instructions on how to do so, see the `upload_rpms_document.txt` file located in the `/root/.rhui/migration/` directory.

**Verification**

- Run the following command and verify whether the RHUI 3 repositories are now available on your RHUI 4 machine:

```
# rhui-manager repo list
```